



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

**D4943-1****Job Sheet 195633****Part No:** D4943-1**Job Qty:** 10 pcs**Part Name:** Flex Hose**Part Weight:** 0 lbs**Status:** New**Priority:** Medium**Job Created:** 5/28/19**Job Tracking No:****Due Date:** 7/18/19**Created By:** Chantal Lavoie**Type:** Stock**Description:**

**Note:** DWG D4943 REV.D IPP REV.A NEW ISSUE JFS 13/09/19 VERIFY BY: DD IPP REV.B 14.05.05 AS PER  
DWG REV.B DD VERF BY:JLM IPP REV:C 14.06.18 AS PER DWG REV.C DD VERF:JLM IPP REV:D  
19.04.15 AS PER DWG REV.D DD VERF:JFS

**Ship Via:****Bill of Materials****Job Routing**

| Op<br>No | Operation                     | Qty                             | Start Date | Due<br>Date | Standard |     | Workcenter/Supplier             | Sign-off       |
|----------|-------------------------------|---------------------------------|------------|-------------|----------|-----|---------------------------------|----------------|
|          |                               |                                 |            |             | Setup    | Run |                                 |                |
| Hrs      | Hrs                           |                                 |            |             |          |     | Workcenter / Supplier Lead Time |                |
| 100      | Purchasing                    | DAS 10 pcs                      | 7/18/19    | 0.00        | 0.00     |     | Purchasing - 1                  |                |
|          |                               | MAY 29 2019 13 9-89 PO H3043571 |            |             |          | X10 | Purchasing - 2                  |                |
|          |                               |                                 |            |             |          |     | Purchasing - 3                  |                |
| 110      | Packaging 2-1 - Receive - B4B | 10 pcs                          | 7/18/19    | 0.00        | 0.00     |     | Packaging 2 - 1 - B4B           | DP JUL 18 2019 |
|          |                               |                                 |            |             |          |     | Packaging 2 - 2 - B4B           |                |
|          |                               |                                 |            |             |          |     | Packaging 2 - 3 - B4B           |                |
|          |                               |                                 |            |             |          |     | Packaging 2 - 5 - B4B           |                |
|          |                               |                                 |            |             |          |     | Packaging 2 - 4 - B4B           |                |
|          |                               |                                 |            |             |          |     | Packaging 2 - 6 - B4B           |                |
|          |                               |                                 |            |             |          |     | Packaging 2 - 7 - B4B           |                |
|          |                               |                                 |            |             |          |     | Packaging 2 - 8 - B4B           |                |
|          |                               |                                 |            |             |          |     | Packaging 2 - 9 - B4B           |                |
|          |                               |                                 |            |             |          |     | Packaging 2 - 10 - B4B          |                |
|          |                               |                                 |            |             |          |     | Packaging 2 - 11 - B4B          |                |
|          |                               |                                 |            |             |          |     | Packaging 2 - 12 - B4B          |                |
|          |                               |                                 |            |             |          |     | Packaging 2 - 13 - B4B          | DP JUL 18 2019 |
|          |                               |                                 |            |             |          |     | Packaging 2 - 14 - B4B          |                |
|          |                               |                                 |            |             |          |     | Packaging 2 - 15 - B4B          |                |
|          |                               |                                 |            |             |          |     | Packaging 2 - 16 - B4B          |                |
|          |                               |                                 |            |             |          |     | Packaging 2 - 17 - B4B          |                |
|          |                               |                                 |            |             |          |     | Packaging 2 - 18 - B4B          |                |
|          |                               |                                 |            |             |          |     | Packaging 2 - 19 - B4B          |                |
|          |                               |                                 |            |             |          |     | Packaging 2 - 20 - B4B          |                |
|          |                               |                                 |            |             |          |     | Packaging 2 - 21 - B4B          |                |
|          |                               |                                 |            |             |          |     | Packaging 2 - 22 - B4B          |                |
|          |                               |                                 |            |             |          |     | Packaging 2 - 23 - B4B          |                |
|          |                               |                                 |            |             |          |     | Packaging 2 - 24 - B4B          |                |
|          |                               |                                 |            |             |          |     | Packaging 2 - 25 - B4B          |                |
|          |                               |                                 |            |             |          |     | Packaging 2 - 26 - B4B          |                |
|          |                               |                                 |            |             |          |     | Packaging 2 - 27 - B4B          |                |



Dart Aerospace Ltd.  
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**Container No:** S199102**Part:** D4943 - 1**Job No:** 195633**Serial No/Batch:** S199102**Revision:** D**Inspector:****Exp Date:****Instructions:** Various STC's**Date:** 07/18/19

|     |                             |          |         |           |                        |          |
|-----|-----------------------------|----------|---------|-----------|------------------------|----------|
|     |                             |          |         |           | Packaging 2 - 28 - B4B |          |
|     |                             |          |         |           | Packaging 2 - 29 - B4B |          |
|     |                             |          |         |           | Packaging 2 - 30 - B4B |          |
|     |                             |          |         |           | Packaging 2 - 31 - B4B |          |
|     |                             |          |         |           | Packaging 2 - 32 - B4B |          |
|     |                             |          |         |           | Packaging 2 - 33 - B4B |          |
|     |                             |          |         |           | Packaging 2 - 34 - B4B |          |
|     |                             |          |         |           | Packaging 2 - 35 - B4B |          |
|     |                             |          |         |           | Packaging 2 - 36 - B4B |          |
| 120 | QC 6                        | 10 pcs   | 7/18/19 | 0.00 0.00 | QC 6 - 9               |          |
|     |                             |          |         |           | QC 6 - 68              | DAS      |
|     |                             |          |         |           | QC 6 - 61              | 81       |
|     |                             |          |         |           | QC 6 - 40              | 9-89     |
| 130 | Packaging 3-1 - Stock - B4B | 10 pcs ✓ | 7/18/19 | 0.00 0.00 | Packaging 3 - 1 - B4B  |          |
|     |                             |          |         |           | Packaging 3 - 2 - B4B  |          |
|     |                             |          |         |           | Packaging 3 - 3 - B4B  | ST 220 B |
|     |                             |          |         |           | Packaging 3 - 4 - B4B  |          |
|     |                             |          |         |           | Packaging 3 - 5 - B4B  |          |
|     |                             |          |         |           | Packaging 3 - 6 - B4B  |          |
|     |                             |          |         |           | Packaging 3 - 7 - B4B  |          |
|     |                             |          |         |           | Packaging 3 - 8 - B4B  |          |
|     |                             |          |         |           | Packaging 3 - 9 - B4B  |          |
|     |                             |          |         |           | Packaging 3 - 10 - B4B |          |
|     |                             |          |         |           | Packaging 3 - 11 - B4B |          |
|     |                             |          |         |           | Packaging 3 - 12 - B4B |          |
|     |                             |          |         |           | Packaging 3 - 13 - B4B |          |
|     |                             |          |         |           | Packaging 3 - 14 - B4B |          |
|     |                             |          |         |           | Packaging 3 - 15 - B4B |          |
|     |                             |          |         |           | Packaging 3 - 16 - B4B |          |
|     |                             |          |         |           | Packaging 3 - 17 - B4B |          |
|     |                             |          |         |           | Packaging 3 - 18 - B4B |          |
|     |                             |          |         |           | Packaging 3 - 19 - B4B |          |
|     |                             |          |         |           | Packaging 3 - 20 - B4B |          |
|     |                             |          |         |           | Packaging 3 - 21 - B4B |          |
|     |                             |          |         |           | Packaging 3 - 22 - B4B |          |
|     |                             |          |         |           | Packaging 3 - 23 - B4B |          |
|     |                             |          |         |           | Packaging 3 - 24 - B4B |          |
|     |                             |          |         |           | Packaging 3 - 25 - B4B |          |
|     |                             |          |         |           | Packaging 3 - 26 - B4B |          |
|     |                             |          |         |           | Packaging 3 - 27 - B4B |          |
|     |                             |          |         |           | Packaging 3 - 28 - B4B |          |
|     |                             |          |         |           | Packaging 3 - 29 - B4B |          |
|     |                             |          |         |           | Packaging 3 - 30 - B4B |          |
|     |                             |          |         |           | Packaging 3 - 31 - B4B |          |
|     |                             |          |         |           | Packaging 3 - 32 - B4B |          |
|     |                             |          |         |           | Packaging 3 - 33 - B4B |          |
|     |                             |          |         |           | Packaging 3 - 34 - B4B |          |
|     |                             |          |         |           | Packaging 3 - 35 - B4B |          |
|     |                             |          |         |           | Packaging 3 - 36 - B4B |          |
| 140 | QC 21 - SA                  | 10 pcs   | 7/18/19 | 0.00 0.00 | QC 21 - SA - 21        | ST 220 B |
|     |                             |          |         |           | QC 21 - SA - 70        | 21       |

Part Op 100 - Purchasing - Issue P/O: \_\_\_\_\_ Purchase part #: 12EAS1S2-03900F Possible supplier: AERO-FLEX  
 Descriptions: Certificate of conformity is required

110 - Receive & Inspect for Damage & Mat'l Certs - Certificate of conformity is required.

120 - QC6- All purchased or subcontracted products

130 - Identify as per dwg & Stock Location: \_\_\_\_\_

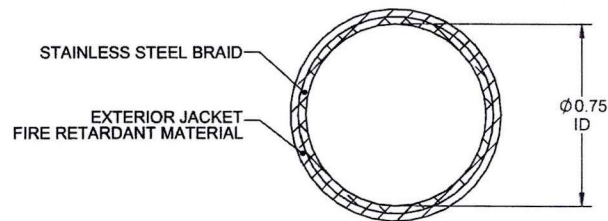
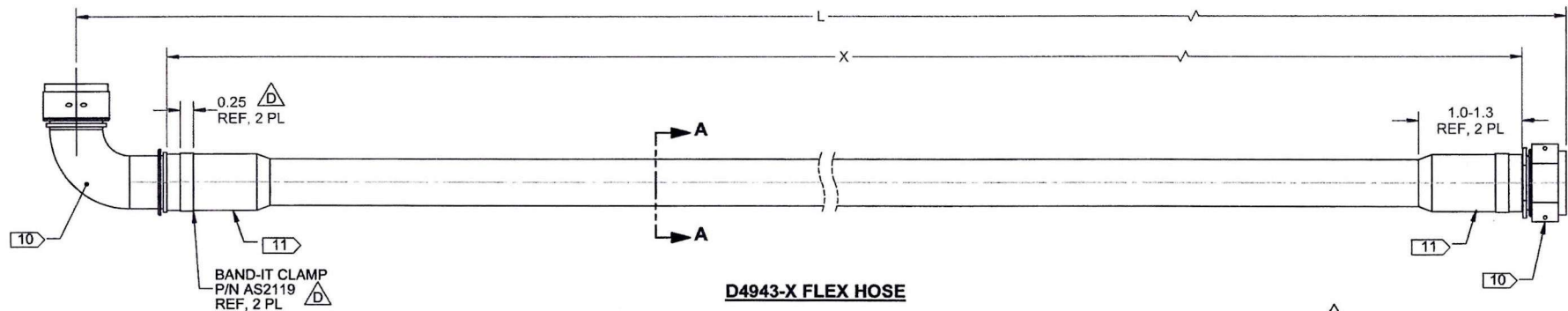
140 - QC21- Final Inspection - Work Order Release

| Job BOM                            |                   |               |                |           |
|------------------------------------|-------------------|---------------|----------------|-----------|
| Part / Item                        | Component Name    | Quantity      | Operation      | Container |
| 12EAS1S2-03900F                    | Flex Hose D4943-1 | 10 pcs (1 ea) | 100-Purchasing | 5199099   |
| Job Allocations                    |                   |               |                |           |
| Operation                          | Component Part    | Required      | Inventory      | Allocated |
| 100-Purchasing                     | 12EAS1S2-03900F   | 10            | 0              | 0         |
| Part Specifications                |                   |               |                |           |
| Specifications could not be found. |                   |               |                |           |

Plex 5/28/19 8:10 AM dart.lavoie.chantal



# SPECIFICATION CONTROL DRAWING



**SECTION A-A**  
TUBE BUILD-UP

| DART P/N | "L"   | VENDOR    | VENDOR P/N                            | WEIGHT  | LENGTH OF EXTERIOR JACKET "X"             |
|----------|-------|-----------|---------------------------------------|---------|-------------------------------------------|
| D4943-1  | 40.00 | AERO-FLEX | 12EAS12S-03900F OR<br>12EAS1S2-03900F | 1.3 lbs | 38" FREE LENGTH<br>37.1" INSTALLED LENGTH |

## NOTES:

- 1) MATERIAL: BRAID: STAINLESS STEEL PER MANUFACTURER  
JACKET: FIRE RETARDANT MATERIAL PER MANUFACTURER  
END FITTING: STAINLESS STEEL PER MANUFACTURER
- 2) FINISH: N/A
- 3) TOLERANCES: N/A
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: PER QSI 044 6.1.
- 7) WEIGHT: SEE TABLE
- 8) MAXIMUM OPERATING TEMPERATURE 500°F
- 9) MAXIMUM OPERATING PRESSURE 120 PSI
- 10) END FITTING REQUIREMENTS: FEMALE, 3/4, 37° JIC FITTING (THREAD 1-1/16 UN), WITH LOCKWIRE HOLES
- 11) OXIDE-RED FIRE SLEEVE END DIP PER MIL-A-46146 AND NAV. AIR 01-1A-20

**RELEASED**

2019 APR 11  
EN 14-639

| D          | ADDED NOTE 11, REVISED TABLE, REF CAR 18-265                                                                    | VS                                                                                                                                                                                                                                                                       | 19.03.12     |
|------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| C          | SEE CHART ADDED ADDITIONAL ACCEPTABLE P/N                                                                       | AJS                                                                                                                                                                                                                                                                      | 14.05.01     |
| B          | SEE CHART: VENDOR WAS SWAGelok, VENDOR P/N WAS SS-FJ12TA12AS12-40F. REASON: VENDOR CHANGED FOR LEADTIME ISSUES. | AJS                                                                                                                                                                                                                                                                      | 14.03.14     |
| A          | NEW ISSUE                                                                                                       | AJS                                                                                                                                                                                                                                                                      | 13.09.18     |
| REV.       | DESCRIPTION                                                                                                     | BY                                                                                                                                                                                                                                                                       | DATE         |
| DESIGN     | AS                                                                                                              | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA                                                                                                                                                                                                                 |              |
| DRAWN      | VS                                                                                                              |                                                                                                                                                                                                                                                                          |              |
| CHECKED    | PM                                                                                                              | DRAWING NO.                                                                                                                                                                                                                                                              | REV. D       |
| MFG. APPR. | SH                                                                                                              | <b>D4943</b>                                                                                                                                                                                                                                                             | SHEET 1 OF 1 |
| APPROVED   | VS                                                                                                              | TITLE                                                                                                                                                                                                                                                                    | SCALE        |
| DE APPR.   | DS                                                                                                              | <b>FLEX HOSE</b>                                                                                                                                                                                                                                                         | NTS          |
| DATE       | 19.03.12                                                                                                        | COPYRIGHT © 2013 BY DART AEROSPACE LTD<br>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD. |              |

APPROVED



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER POHB043571



**Supplier:** AEF002-VU  
Aero-Flex Corp  
3147 Jupiter Park Cir  
Jupiter, FL 33458 USA  
Phone: 561-745-2534  
Fax: 561-745-2537

**PO No:** POHB043571

**PO Date:** 5/29/19

**Due Date:** 7/17/19

**Purchase Order**

**Revision:**

**Revision Date:**

**Ship-To Contact:** Phone:

E-MAILED  
MAY 29 2019

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**Via:** Ground

**Pymt Terms:** Net 30

**Freight Terms:**

**Special Comments:**

## Items

| Line Item | Job    | Part            | Supplier Part No | Item No | Description                                 | Status   | Account | Due Date                      | Order Quantity | Received Quantity | Balance | Unit Price (USD) | Extended Price |
|-----------|--------|-----------------|------------------|---------|---------------------------------------------|----------|---------|-------------------------------|----------------|-------------------|---------|------------------|----------------|
| 1         | 195631 | 12EAS1S2-03900F |                  |         | Flex Hose D4943-1 : AS PER DWG D4943 REV. D | Firmed - |         | <del>7/17/19</del><br>7/13/19 | 10 pcs         | 0 pcs             | 10 pcs  | \$603.94/pcs     | \$6,039.40     |
|           |        |                 |                  |         |                                             | X10      |         |                               | JUL 18 2019    |                   |         |                  | DP             |
| 2         | 195632 | 12EAS1S2-03900F |                  |         | Flex Hose D4943-1 : AS PER DWG D4943 REV. D | Firmed - |         | <del>7/17/19</del><br>7/19/19 | 10 pcs         | 0 pcs             | 10 pcs  | \$603.94/pcs     | \$6,039.40     |
|           |        |                 |                  |         |                                             | X10      |         |                               | JUL 18 2019    |                   |         |                  | DP             |
| 3         | 195633 | 12EAS1S2-03900F |                  |         | Flex Hose D4943-1 : AS PER DWG D4943 REV. D | Firmed - |         | <del>8/8/19</del><br>7/22/19  | 10 pcs         | 0 pcs             | 10 pcs  | \$603.94/pcs     | \$6,039.40     |
|           |        |                 |                  |         |                                             | X10      |         |                               | JUL 18 2019    |                   |         |                  | DP             |

**Grand Total:** \$18,118.20

*[Handwritten signature]*  
8/29/19



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER

## POHB043571



### Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

#### Procurement Quality Clauses

A005 RIGHT OF ENTRY

A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)

A012 CHEMICAL AND PHYSICAL TEST REPORTS

A016 PERSONNEL QUALIFICATION

A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENT

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

cd

Plex 5/29/19 9:00 AM dart.lavoie.chantal



**Aero-Flex Corp.****3147 Jupiter Park Circle  
Jupiter FL 33458**Phone# 561-745-2534 Fax# 561-745-2537  
www.aero-flex.aero**Packing Slip****Certificate of Conformance**

|           |           |
|-----------|-----------|
| Date      | Invoice # |
| 7/12/2019 | 3198      |

|                                                                      |                                                                                |
|----------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Bill To                                                              | Ship To                                                                        |
| Dart Aerospace Ltd<br>1270 Aberdeen Street<br>Hawkesbury, ON K6A 1K7 | Dart Aerospace Ltd<br>1270 Aberdeen Street<br>Hawkesbury, ON K6A 1K7<br>Canada |

|            |                 |           |                 |     |         |
|------------|-----------------|-----------|-----------------|-----|---------|
| AF S.O. #  | Customer P.O. # | Ship Date | Via             | FOB | Project |
| POHB043571 | POHB043571      | 7/12/2019 | Federal Express |     |         |

| Quantity                                                            | Item | Part Number/Rev | Description                             |
|---------------------------------------------------------------------|------|-----------------|-----------------------------------------|
| 10                                                                  | 1    | D4943-1         | FLEX HOSE ASSEMBLY - AF#12EAS1S2-03900F |
| 10                                                                  | 2    | D4943-1         | FLEX HOSE ASSEMBLY - AF#12EAS1S2-03900F |
| 10                                                                  | 3    | D4943-1         | FLEX HOSE ASSEMBLY - AF#12EAS1S2-03900F |
| PLEASE SHIP ON CUSTOMERS FED EX GROUND ACCT# 151793240              |      |                 |                                         |
| <b>RECEIVED</b><br><b>JUL 18 2019</b><br><b>DART AEROSPACE LTD.</b> |      |                 |                                         |

We hereby certify the above parts, including all materials, have been manufactured, tested and packed in conformance with all requirements of your order and the applicable government specifications and standards. Records of tests, inspections and certification indicating the above conformance are on file at Aero-Flex Corp. available for examination. It is hereby certified that any parts identified with TSO identification (a) were produced under Federal Aviation Administration (FAA) approved manufacturing and quality control system/methods as set forth in the FAA issued Technical Standard Order authorizations (TSO), and (b) such parts and/or materials are new and are in condition for safe operation. If applicable, satisfactory compliance with the conditions and tests required for TSO approval indicates the hose assembly has met the minimum performance standards in this TSO.

It is the responsibility of those desiring to install this hose assembly on an aircraft or engine to determine that the installation will not cause the hose assembly to be subjected to conditions in excess of those for which it has been approved. The hose assembly may only be installed in a manner acceptable to, or approved by, the Administrator.

The above commodities are subject to the Export Administration Regulations (EAR) and/or International Traffic in Arms Regulations (ITAR). If applicable, it is your responsibility to obtain a validated export license for this material from the Department of Commerce or the Department of State if so required under the applicable U.S. Govt. Export Control Regulation. The above material shall not be shipped to any country that has an embargo placed on it by the U.S. Govt or any entity on the U.S. Debarred list. By accepting the items on this PackSlip/C of C/Invoice you agree to Aero-Flex Corp's Terms and Conditions of Sale. These commodities, technology or software were exported from the United States in accordance with Export Administration Regulations. Diversion contrary to U.S. law is prohibited. These items may not be used directly or indirectly in prohibited nuclear, chemical, biological, or missile weapon activities.

**Michael E. Scott**  
**Quality Manager**Form 4QF015-01  
REV C

**Aero-Flex Corporation**  
 3147 Jupiter Park Circle, Ste. 2  
 Jupiter, Florida 33458  
 Ph 561.745.2534 Fax 561.745.2537



2490

**PRESSURE TESTING / HELIUM MASS SPEC EXAMINATION REPORT**

☒ Aerospace ☐ Ground Support

|                                                                                 |                                                                                                                                                                                                                                 |                                                                                                                                |                                                                       |                                   |                                                                                       |
|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------|---------------------------------------------------------------------------------------|
| TO<br>Aero-Flex Corporation                                                     |                                                                                                                                                                                                                                 | FROM<br>Anthony Petty                                                                                                          |                                                                       | DATE<br>07/11/2019                |                                                                                       |
| PROJECT<br>AF Dwg: 12EAS1S2-03900F Dwg Rev: - Part: 12EAS1S2-03900F Part Rev: - |                                                                                                                                                                                                                                 |                                                                                                                                |                                                                       |                                   |                                                                                       |
| PURCHASE ORDER NO.<br>AF INVENTORY Line 1                                       |                                                                                                                                                                                                                                 |                                                                                                                                | AF ROUTER NO.<br>STK5591                                              |                                   |                                                                                       |
| ITEM                                                                            | <input checked="" type="checkbox"/> Weld <input type="checkbox"/> Castings <input type="checkbox"/> Pipe                                                                                                                        |                                                                                                                                | <input checked="" type="checkbox"/> Machined Parts                    |                                   | Other<br>Hose                                                                         |
|                                                                                 | <input checked="" type="checkbox"/> Non-Weld <input type="checkbox"/> Castings <input type="checkbox"/> Pipe                                                                                                                    |                                                                                                                                | <input checked="" type="checkbox"/> Machined Parts                    |                                   | Other<br>Hose                                                                         |
| MATERIAL                                                                        | Size<br>3/4"                                                                                                                                                                                                                    | No. of pieces<br>20                                                                                                            | Type of Base Metal<br>AUSS                                            | Type of Filler Metal<br>P8        | WELD<br><input checked="" type="checkbox"/> As Welded <input type="checkbox"/> Smooth |
| LOCATION                                                                        | Location<br>Aero-Flex Corporation                                                                                                                                                                                               |                                                                                                                                |                                                                       | System<br>PT-001                  |                                                                                       |
| Acceptance Standard<br>CUSTOMER                                                 |                                                                                                                                                                                                                                 |                                                                                                                                | Procedure<br>AF 2QP024                                                |                                   |                                                                                       |
| TYPE OF CHECK                                                                   | <input checked="" type="checkbox"/> Initial <input type="checkbox"/> In Process <input type="checkbox"/> Rework <input type="checkbox"/> 24 Hr <input type="checkbox"/> 7 Day <input checked="" type="checkbox"/> Final         |                                                                                                                                |                                                                       |                                   |                                                                                       |
| TYPE OF INSPECTION METHOD                                                       | <input checked="" type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Bubble Test <input type="checkbox"/> HMST-Pressurized Components <input type="checkbox"/> HMST-Evacuated Components |                                                                                                                                |                                                                       |                                   |                                                                                       |
|                                                                                 | Test Pressure/Vacuum<br>180 PSIG                                                                                                                                                                                                |                                                                                                                                | Test Temperature<br>75°F Ambient                                      |                                   | HMST Test Instrument<br>N/A                                                           |
|                                                                                 | Test Medium/Concentration<br>Potable Tap Water                                                                                                                                                                                  |                                                                                                                                | Bubble Solution<br>N/A                                                |                                   | HMST Standard Leak<br>N/A                                                             |
|                                                                                 | Gage Mfr.<br>McDaniel                                                                                                                                                                                                           | Model<br>FIP-GF                                                                                                                | Range<br>0-3000 PSIG                                                  | ID Number<br>AFCG301              | Tracer Gas/Concentration<br>N/A                                                       |
|                                                                                 | Soak Time/Test Holding Time<br>10 Minutes Minimum                                                                                                                                                                               |                                                                                                                                |                                                                       |                                   | HMST Sensitivity Acceptance<br>N/A                                                    |
| Reference Summary<br>CUTOMER DRAWING (D4943)                                    |                                                                                                                                                                                                                                 |                                                                                                                                | Results of Inspection<br>Satisfactory/Pass<br>No Leaks were Detected. |                                   |                                                                                       |
| CopyTo: AF File                                                                 |                                                                                                                                                                                                                                 | Requested By<br>PO Contract                                                                                                    |                                                                       | Reported By<br>Anthony Petty      |                                                                                       |
|                                                                                 |                                                                                                                                                                                                                                 | <input type="checkbox"/> Customer Specifications<br><input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject |                                                                       | Quality Designee<br>Michael Scott |                                                                                       |

NOTICE: THIS EXAMINATION REPORT IS A REPORT OF THE RESULTS OF THE TEST PROCEDURES ACTUALLY PERFORMED BY THIS COMPANY. IT IS SUBJECT TO THE LIMITATIONS OF THE TESTING SPECIFICATIONS AND PROCEDURES WHICH WERE UTILIZED. BY FURNISHING THIS REPORT, AERO-FLEX CORPORATION DOES NOT GUARANTEE ANY CONDITION OF THE TESTED SPECIMEN.



**Aero-Flex Corporation**  
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2491

**PRESSURE TESTING / HELIUM MASS SPEC EXAMINATION REPORT**

☒ Aerospace ☐ Ground Support

|                                                                                 |                                                                                                                                                                                                                                 |                                                                                                                                |                                                    |                                                                       |                                                                                       |                    |  |
|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------|--|
| TO<br>Aero-Flex Corporation                                                     |                                                                                                                                                                                                                                 |                                                                                                                                |                                                    | FROM<br>Anthony Petty                                                 |                                                                                       | DATE<br>07/12/2019 |  |
| PROJECT<br>AF Dwg: 12EAS1S2-03900F Dwg Rev: - Part: 12EAS1S2-03900F Part Rev: - |                                                                                                                                                                                                                                 |                                                                                                                                |                                                    |                                                                       |                                                                                       |                    |  |
| PURCHASE ORDER NO.<br>AF INVENTORY Line 1                                       |                                                                                                                                                                                                                                 |                                                                                                                                |                                                    | AF ROUTER NO.<br>STK5591                                              |                                                                                       |                    |  |
| ITEM                                                                            | <input checked="" type="checkbox"/> Weld <input type="checkbox"/> Castings <input type="checkbox"/> Pipe                                                                                                                        |                                                                                                                                | <input checked="" type="checkbox"/> Machined Parts |                                                                       | Other<br>Hose                                                                         |                    |  |
|                                                                                 | <input checked="" type="checkbox"/> Non-Weld <input type="checkbox"/> Castings <input type="checkbox"/> Pipe                                                                                                                    |                                                                                                                                | <input checked="" type="checkbox"/> Machined Parts |                                                                       | Other<br>Hose                                                                         |                    |  |
| MATERIAL                                                                        | Size<br>3/4"                                                                                                                                                                                                                    | No. of pieces<br>14                                                                                                            | Type of Base Metal<br>AUSS                         | Type of Filler Metal<br>P8                                            | WELD<br><input checked="" type="checkbox"/> As Welded <input type="checkbox"/> Smooth |                    |  |
| LOCATION                                                                        | Location<br>Aero-Flex Corporation                                                                                                                                                                                               |                                                                                                                                |                                                    | System<br>PT-001                                                      |                                                                                       |                    |  |
| Acceptance Standard<br>CUSTOMER                                                 |                                                                                                                                                                                                                                 |                                                                                                                                |                                                    | Procedure<br>AF 2QP024                                                |                                                                                       |                    |  |
| TYPE OF CHECK                                                                   | <input checked="" type="checkbox"/> Initial <input type="checkbox"/> In Process <input type="checkbox"/> Rework <input type="checkbox"/> 24 Hr <input type="checkbox"/> 7 Day <input checked="" type="checkbox"/> Final         |                                                                                                                                |                                                    |                                                                       |                                                                                       |                    |  |
| TYPE OF INSPECTION METHOD                                                       | <input checked="" type="checkbox"/> Hydrostatic <input type="checkbox"/> Pneumatic <input type="checkbox"/> Bubble Test <input type="checkbox"/> HMST-Pressurized Components <input type="checkbox"/> HMST-Evacuated Components |                                                                                                                                |                                                    |                                                                       |                                                                                       |                    |  |
|                                                                                 | Test Pressure/Vacuum<br>180 PSIG                                                                                                                                                                                                |                                                                                                                                | Test Temperature<br>75°F Ambient                   |                                                                       | HMST Test Instrument<br>N/A                                                           |                    |  |
|                                                                                 | Test Medium/Concentration<br>Potable Tap Water                                                                                                                                                                                  |                                                                                                                                | Bubble Solution<br>N/A                             |                                                                       | HMST Standard Leak<br>N/A                                                             |                    |  |
|                                                                                 | Gage Mfr.<br>McDaniel                                                                                                                                                                                                           | Model<br>FIP-GF                                                                                                                | Range<br>0-3000 PSIG                               | ID Number<br>AFCG301                                                  | Tracer Gas/Concentration<br>N/A                                                       |                    |  |
|                                                                                 | Soak Time/Test Holding Time<br>10 Minutes Minimum                                                                                                                                                                               |                                                                                                                                |                                                    |                                                                       | HMST Sensitivity Acceptance<br>N/A                                                    |                    |  |
| Reference Summary<br>CUTOMER DRAWING (D4943)                                    |                                                                                                                                                                                                                                 |                                                                                                                                |                                                    | Results of Inspection<br>Satisfactory/Pass<br>No Leaks were Detected. |                                                                                       |                    |  |
| Copy To:<br>AF File                                                             |                                                                                                                                                                                                                                 | Requested By<br>PO Contract                                                                                                    |                                                    | Reported By<br>Anthony Petty                                          |                                                                                       |                    |  |
|                                                                                 |                                                                                                                                                                                                                                 | <input type="checkbox"/> Customer Specifications<br><input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject |                                                    | Quality Designee<br>Michael Scott                                     |                                                                                       |                    |  |

NOTICE: THIS EXAMINATION REPORT IS A REPORT OF THE RESULTS OF THE TEST PROCEDURES ACTUALLY PERFORMED BY THIS COMPANY. IT IS SUBJECT TO THE LIMITATIONS OF THE TESTING SPECIFICATIONS AND PROCEDURES WHICH WERE UTILIZED. BY FURNISHING THIS REPORT, AERO-FLEX CORPORATION DOES NOT GUARANTEE ANY CONDITION OF THE TESTED SPECIMEN.

**Aero-Flex Corporation**  
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 Ph 561.745.2534 Fax 561.745.2537



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**PRESSURE TESTING / HELIUM MASS SPEC EXAMINATION REPORT**

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| TO<br>Aero-Flex Corporation                                                     |                                                                                                                                                                                                                                 | FROM<br>Anthony Petty                                                                                                          |                                                                       | DATE<br>07/11/2019                |                                                                                       |
| PROJECT<br>AF Dwg: 12EAS1S2-03900F Dwg Rev: - Part: 12EAS1S2-03900F Part Rev: - |                                                                                                                                                                                                                                 |                                                                                                                                |                                                                       |                                   |                                                                                       |
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| CopyTo: AF File                                                                 |                                                                                                                                                                                                                                 | Requested By<br>PO Contract                                                                                                    |                                                                       | Reported By<br>Anthony Petty      |                                                                                       |
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